

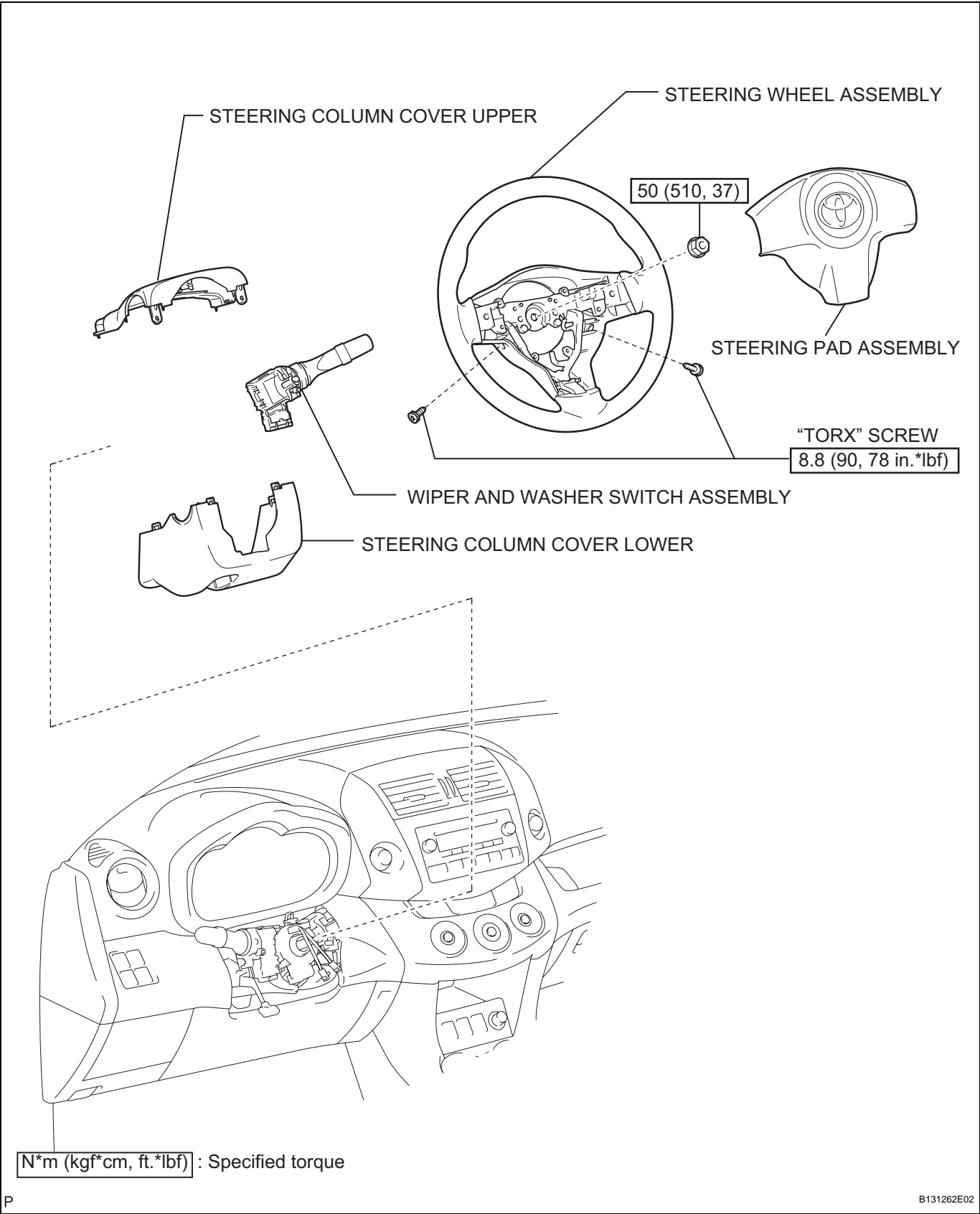
WIPER SWITCH

PRECAUTION

1. PRECAUTION FOR VEHICLE WITH SRS

- (a) Some procedures in this section may affect the Supplemental Restraint System (SRS). Prior to performing the procedures, read the SRS section's "Precaution" (see page [SS-2](#)).

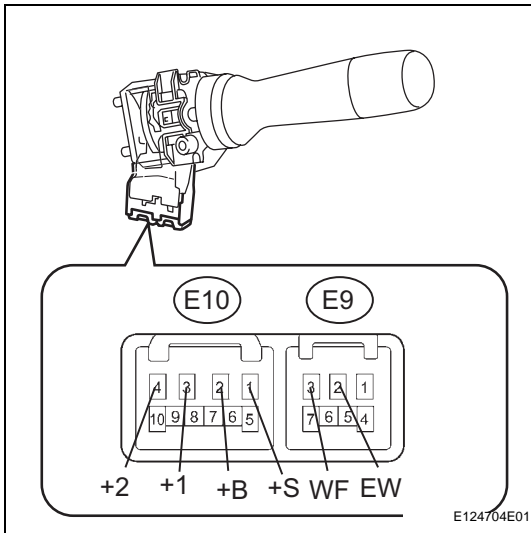
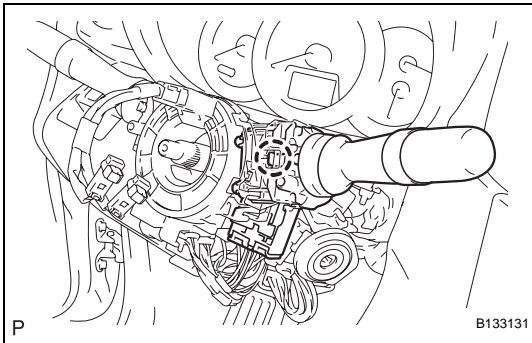
COMPONENTS



WW

REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
2. **PLACE FRONT WHEELS FACING STRAIGHT AHEAD**
3. **REMOVE STEERING PAD ASSEMBLY** (See page [RS-336](#))
4. **REMOVE STEERING WHEEL ASSEMBLY** (See page [SR-12](#))
5. **REMOVE STEERING COLUMN COVER UPPER** (See page [SR-12](#))
6. **REMOVE STEERING COLUMN COVER LOWER** (See page [SR-12](#))
7. **REMOVE WIPER AND WASHER SWITCH ASSEMBLY**
 - (a) Disconnect the connectors.
 - (b) Detach the claw and remove the wiper switch.**NOTICE:**
Do not push the claw with excessive force as damage may occur.



INSPECTION

1. **INSPECT WINDSHIELD WIPER SWITCH ASSEMBLY**
 - (a) Check the front wiper switch.
 - (1) Measure the resistance of the switch.**Standard resistance**

Tester Connection	Switch Condition	Specified Condition
E10-1 (+S) - E10-3 (+1)	INT	Below 1 Ω
	OFF	
E10-2 (B) - E10-3 (+1)	MIST	
	LO	
E10-2 (B) - E10-4 (+2)	HI	

If the result is not as specified, replace the switch assembly.

- (b) Check the front washer switch assembly.
 - (1) Measure the resistance of the switch.**Standard resistance**

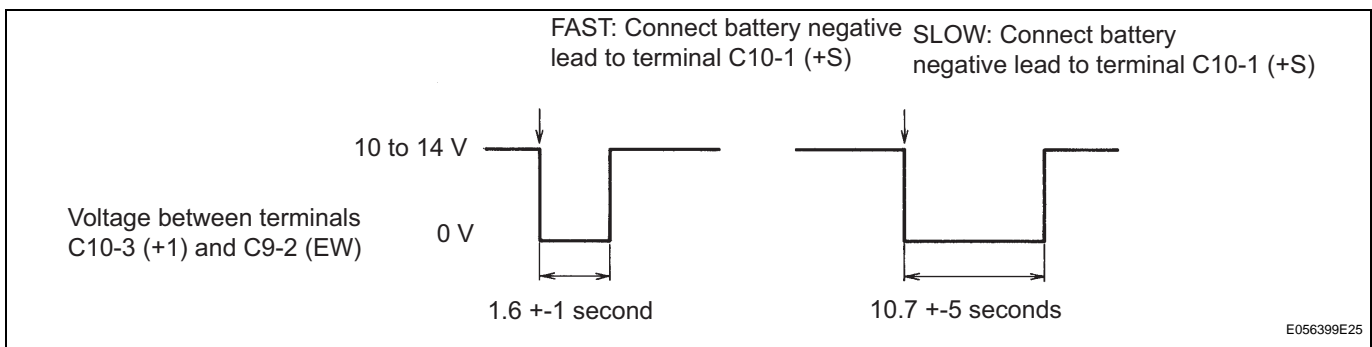
Tester Connection	Switch Condition	Specified Condition
E9-2 (EW) - E9-3 (WF)	ON	Below 1 Ω
	OFF	10 k Ω or higher

If the result is not specified, replace the switch assembly.

- (c) Check the intermittent operation.
- (1) Connect the voltmeter's positive (+) lead to terminal E10-3 (+1) and the negative (-) lead to terminal E9-2 (EW).
 - (2) Connect the battery's positive (+) lead to terminal E10-2 (+B) and the negative (-) lead to terminal E9-2 (EW) and E10-1 (+S).
 - (3) Turn the wiper switch to the INT position.
 - (4) Connect the battery's positive (+) lead to terminal E10-1 (+S) for 5 seconds.
 - (5) Connect the battery's negative (-) lead to terminal E10-1 (+S). Operate the intermittent wiper relay and check the voltage between terminals E10-3 (+1) and E9-2 (EW).

Standard voltage:

Refer to the illustration below.

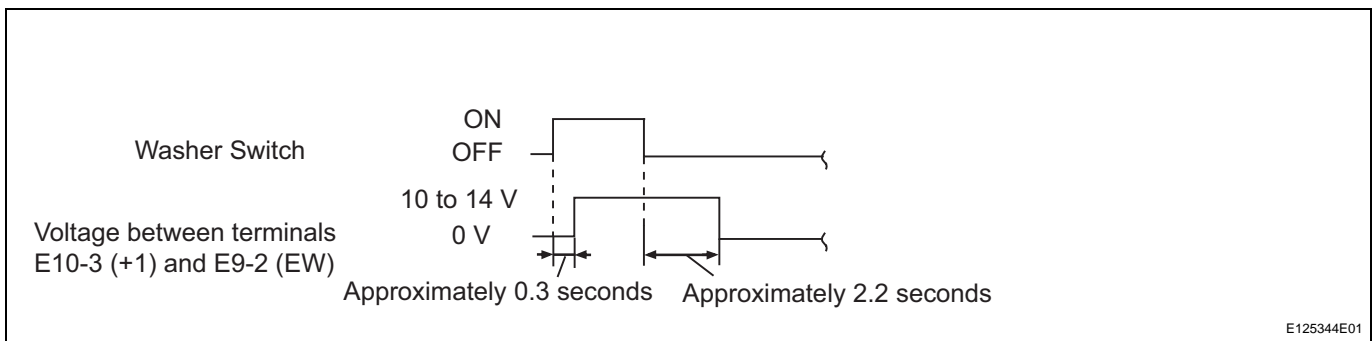


If the result is not as specified, replace the switch assembly.

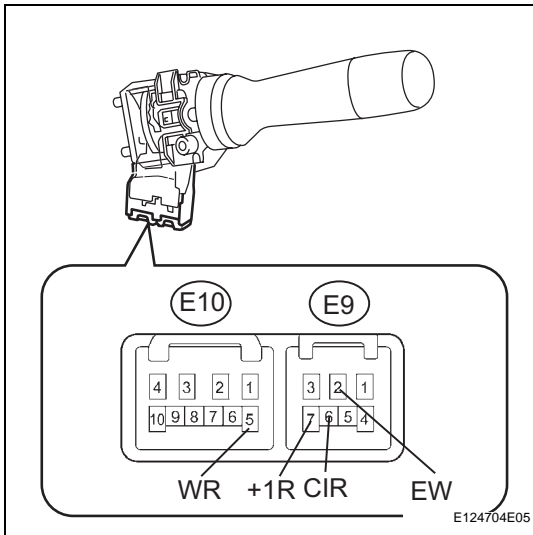
- (d) Check the front washer operation.
- (1) Turn the wiper switch OFF.
 - (2) Connect the battery's positive (+) lead to terminal E10-2 (+B) and the negative (-) lead to terminals E10-4 (+S) and E9-2 (EW).
 - (3) Connect the voltmeter's positive (+) lead to E10-3 (+1) and the negative (-) lead to terminal E9-2 (EW).
 - (4) Turn the washer switch ON and OFF, and check the voltage between terminals E10-3 (+1) and E9-2 (EW).

OK:

Refer to the illustration below.



If the result is not as specified, replace the switch assembly.



- (e) Check the rear wiper switch.
 (1) Measure the resistance of the switch.

Standard resistance

Tester Connection	Switch Condition	Specified Condition
E9-2 (EW) - E9-6 (CIR)	INT	Below 1 Ω
E9-2 (EW) - E9-7 (+1R)	ON	
E9-2 (EW) - E9-6 (CIR)	OFF	10 k Ω or higher
E9-2 (EW) - E9-7 (+1R)		

If the result is not as specified, replace the switch assembly.

- (f) Check the rear washer switch.
 (1) Measure the resistance of the switch.

Standard resistance

Tester Connection	Switch Condition	Specified Condition
E9-2 (EW) - E9-7 (+1R)	ON	Below 1 Ω
E9-2 (EW) - E10-5 (WR)	OFF	10 k Ω or higher

If the result is not as specified, replace the switch assembly.

INSTALLATION**1. INSTALL WIPER AND WASHER SWITCH ASSEMBLY**

- (a) Attach the claw to install the wiper switch.
 (b) Connect the connectors.

NOTICE:

Do not push the claw with excessive force as damage may occur.

2. INSTALL STEERING COLUMN COVER LOWER (See page [SR-20](#))**3. INSTALL STEERING COLUMN COVER UPPER (See page [SR-20](#))****4. INSTALL STEERING WHEEL ASSEMBLY (See page [SR-21](#))****5. PLACE FRONT WHEELS FACING STRAIGHT AHEAD****6. INSPECT STEERING WHEEL CENTER POINT****7. INSTALL STEERING PAD ASSEMBLY (See page [RS-336](#))****8. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL****9. INSPECT STEERING PAD ASSEMBLY (See page [RS-337](#))****10. CHECK SRS WARNING LIGHT**

- (a) Check the SRS warning light (see page [RS-337](#)).

